

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	80 V AC	APPLICABLE CONNECTOR	DF24*-50DP-0.9V (51)
	CURRENT	AWG28 : 1A AWG30 : 0.5A AWG32~36 : 0.3A (NOTE 2)	APPLICABLE CABLE	OUTER DIAMETER AWG28~34 : 0.6 mm MAX AWG36 : 0.4 mm MAX
			APPLICABLE CONNECT	DF24-2830SCFA DF24-3234SCFA DF24-36SCFA

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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#### CONSTRUCTION

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×

#### ELECTRIC CHARACTERISTICS

INSULATION RESISTANCE	100 V DC.	500 MΩ MIN.	×	—
VOLTAGE PROOF	250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—

#### MECHANICAL CHARACTERISTICS

MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.	NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CIRCLE FOR EACH, FOR 3 DIRECTIONS.		×	—
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	—
LANCE STRENGTH	MEASURE CONNECTOR LANCE STRENGTH OPERATION SPEED: 30mm / min	5N MIN.	×	—

#### ENVIRONMENTAL CHARACTERISTICS

RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→15 TO 35→85 →15 TO 35 °C TIME 30→2 TO 3 → 30 →2 TO 3 min UNDER 5 CYCLES.	①INSULATION RESISTANCE: 500 MΩ MIN. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	①INSULATION RESISTANCE: 250 MΩ MIN. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—

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COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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REMARKS NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE 2: IN CASE OF APPLYING HIGHER CURRENT ON A CERTAIN PATTERN OF FPC, INDIVIDUAL EXAMINATION IS REQUIRED.  Unless otherwise specified, refer to JIS C 5402.	APPROVED	KI. AKIYAMA	11.03.11
	CHECKED	HK. UMEHARA	11.03.11
	DESIGNED	HT. SATO	11.03.10
	DRAWN	MI. SAKIMURA	11.03.10

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-313881-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	DF24B-50DS-0.9C
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL687-3302-8-00

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